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**SECURITY INFORMATION**

From: Director, Program 23  
To: Project Officers, Program 23

Subj: Programs; Civil Effects Test Group

1. A copy of Civil Effects Test Group, revised January 15, 1953, is forwarded herewith for information. This schedule supersedes all previous issues.

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**Distribution:**

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M. S. Silverman  
H. H. Plough ✓  
R. W. Brauer  
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MILITARY RESEARCH & APPL.

DOE ARCHIVES

January 15, 1953

CIVIL EFFECTS TEST GROUP

Director -- Robert L. Corsbie

PROGRAM 21: CD EFFECTS STUDIES

Program Director - Harold L. Goodwin

| Project No. | Project Title      | Project Officer | Organization |
|-------------|--------------------|-----------------|--------------|
| 21.1        | Home Shelters      | J. B. Byrnes    | AEC-FCDA     |
| 21.2        | Typical Residences | H. K. Browning  | FCDA         |
| 21.3        | Air-Zero Locators  | B. C. Taylor    | FCDA         |

PROGRAM 22: FCDA RADEF AND RADIATION EFFECTS

Program Director - Vincent Lamoureux

|      |  |                 |          |
|------|--|-----------------|----------|
| 22.1 | Evaluation of Radef Survey Methods       | V. B. Lamoureux | FCDA     |
| 22.2 | Evaluation of CD Radef Instruments       | J. C. Greene    | FCDA     |
| 22.3 | Evaluation of Radiological Hazards in CD | V. B. Lamoureux | FCDA     |
| 22.4 | Drug Irradiation Studies                 | V. B. Lamoureux | FCDA-FDA |

PROGRAM 23: BIO-MED EXPERIMENTS

Program Director - Eugene P. Cronkite

|      |  |                 |                      |
|------|--|-----------------|----------------------|
| 23.1 | Determination of Biological Effectiveness of Ionizing Radiation Within Shelter | V. P. Bond      | (NMRI)<br>AEC-(NRDL) |
| 23.2 | Bacteriological Studies on Dogs Exposed to Primarily Neutron Irradiation       | M. S. Silverman | " "                  |

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DOE ARCHIVES

Program 23 - Bio-Med Experiments (Continued)

| Project No. | Project Title   | Project Officer | Organization         |
|-------------|---|-----------------|----------------------|
| 23.3        | Long-term Studies on Animals Exposed Primarily to Neutron Irradiation   | R. W. Brauer    | (NMRI)<br>AEC-(NRDL) |
| 23.4        | Effects of Neutron Irradiation on Longevity and Production of Sex-linked and Autosomal Lethal Mutations in <u>Drosophilidae</u> | H. H. Plough    | AEC-A                |
| 23.5        | Effects of Neutrons on Spores of Smuts and Rusts  | H. H. Plough    | AEC-N                |
| 23.6        | Somatic Mutations in <u>Drosophila</u>  | H. H. Plough    | AEC-ORNL             |
| 23.7        | Drosophila Chromosome Breaks  | H. H. Plough    | AEC-CT               |
| 23.8        | Drosophila LD and First Generation Lethals  | H. H. Plough    | AEC-IS               |
| 23.9        | Dosage/Mutation Curve and Color Mutations in Wasp <u>Mormoniella</u> Males  | H. H. Plough    | AEC-P                |
| 23.10       | Effects of Neutrons on Chromosome Breaks in <u>Tradescantia</u>   | H. H. Plough    | AEC-ORNL             |
| 23.11       | Chromosome Breaks and Mutations in <u>Datura</u>  | H. H. Plough    | AEC-S                |
| 23.12       | Reverse Mutations In Neurospora   | H. H. Plough    | AEC-ORNL             |
| 23.13       | Dominant Lethals and Sterility in Mice  | H. H. Plough    | AEC-ORNL             |
| 23.14       | LD and First Generation Lethals on Mice of Two Stocks Exposed to Same Dose  | H. H. Plough    | AEC-IS               |
| 23.15       | Effects of Overpressures, Displacement and Missiles on Animals  | J. E. Roberts   | AEC-LC               |
| 23.16       | Chromosome Breaks in Maize Seed   | H. H. Plough    | AEC-ORNL             |
| 23.17       | Dosimetry for Biological Experiments to be Conducted in Conjunction with AEC Shelter Testing                                    | E. Tochlin      | (NRDL)<br>AEC-(NMRI) |

January 15, 1953

PROGRAM 24: AEC SHELTER STRUCTURES

Program Director - Robert L. Corsbie

| Project No. | Project Title  | Project Officer | Organization |
|-------------|--|-----------------|--------------|
| 24.1        | AEC Shelter Evaluation   | R. L. Corsbie   | AEC-BM       |
| 24.2        | Physical Measurements of Gamma and Neutron Radiation in Shelters, Including Instrumentation Evaluation | L. J. Deal      | AEC-BM       |
| 24.3        | Physical Measurements of Static and Dynamic Overpressures and Thermal Radiation in Shelters            | A. R. Soffel    | AEC-VITRO    |

PROGRAM 25: DELETEDPROGRAM 26: CIVILIAN VEHICLE TESTS

Program Director - H. L. Goodwin

|      |   |               |          |
|------|---|---------------|----------|
| 26.1 | Bio-Med Evaluation of Vehicles as Shelters                              | F. J. Perella | AEC-FCDA |
| 26.2 | Physical and Mechanical Evaluation of Vehicles Exposed to Atomic Attack | H. K. Gayer   | AEC-FCDA |

## PROGRAM 27: FALL-OUT STUDIES IN NEAR AREAS

Program Director - Kermit H. Larson

|      |   |                   |
|------|---|-------------------|
| 27.1 | Physical Evaluation of Fall-Out Materials   | (UCLA<br>AEC-(AEP |
| 27.2 | Biological Effects on Native Animals of Inhalation and Ingestion of Fall-out Materials and Evaluation of Soil Contamination | (UCLA<br>AEC-(AEP |

January 15, 1953

PROGRAM 28: RADIATION TELEMETERING SYSTEM

Program Director - R. W. Johnston

| Project No. | Project Title  | Project Officer | Organization |
|-------------|--|-----------------|--------------|
| 28.1        | Radiation Monitoring System Using a Radio Telemetering Link for Transmission of Data | R. W. Johnston  | AEC-BM       |

## PROGRAM 29: DOSIMETRY AND RADIATION MEASUREMENTS

Program Director - R. L. Butenhoff

|      |   |                 |          |
|------|---|-----------------|----------|
| 29.1 | Comparison and Evaluation of Dosimetry Methods Applicable to Gamma Radiation  | G. Taplin       | AEC-UCLA |
| 29.2 | Study and Measure Fast Neutrons in Field Test by Means of the Permanent Electrical Resistance Changes Produced by Them in Semi-Conductors | B. Cassen       | AEC-UCLA |
| 29.3 | Coordination and Evaluation of Dosimetry Within Civil Effects Programs  | R. L. Butenhoff | AEC-BM   |
| 29.4 | Measurement of Effective Energy and Spectral Distribution of Residual Radiation   | A. H. Dahl      | AEC-R    |